

Amendment in Reply to Final Office Action mailed on April 4, 2008

IN THE ABSTRACT

Please delete the current Abstract in its entirety and substitute therefor the enclosed New Abstract.

NEW ABSTRACT

A device measures distance using a wireless signal that has two simultaneously transmitted components. Each of the two components includes a respective repeated code, the two codes having different durations. On receipt of the signal, the propagation distance is calculated separately for each code and compared. The calculated distance is considered to be valid only if the two calculations yield the same result. Preferably, the durations of the two codes are proportional to numbers having a relative prime relationship. The signal is generated and transmitted by the same device that performs the distance calculation, with the signal being retransmitted back to the device by a remote device, or may be generated and transmitted by the remote device.